Delaware Department of Transportation Division of Transportation Solutions Design Guidance Memorandum

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 Road Design Manual Real Estate Manual 	 Bridge Design Manual Standard Specifications 	3. Utilities Design Manual6. Standard Construction Details	
4. Real Estate Manual	5. Standard Specifications	o. Standard Construction Details	
Title: Corrugated Polyeth	ylene Pipe	Effective date: <u>5/23/2005</u>	
Sections to Implement:			
X Project Development	X Planning	DTC	
X Bridge	X Quality	alityOther	
X TeamSupport	X Maintenance &		
X Utilities	Operations		

I. Purpose

To give guidance on locations for the use of corrugated polyethylene pipe for drainage.

II. Design Guidance

Corrugated polyethylene pipe (commonly known as HDPE pipe) can be used under pavement for all local and subdivision roads (including cross road pipes). For roads of other functional classifications, it can not be used under the traveled way unless it has approval from an assistant director. The functional classification of roads shall be as defined in DelDOT's Road Design Manual and Functional Classification maps for each county.

For cover requirements during and after construction, please see the DelDOT specifications.

III. Justification

Polyethylene pipe can be used for drainage under roads when installed correctly per DelDOT and manufacturer specifications with the proper cover. Its use can be economically beneficial for smaller pipes due to its ease of handling during construction.

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DGM 1-17 Corrugated Polyethylene Pipe, Page 1 of 1